

CONTENTS OF VOLUME 6

Volume 6 Nos. 1-2 1997

PHILOSOPHY AND CONSTRUCTIVISM IN SCIENCE EDUCATION
Editor: Michael Matthews

Editorial	1-4
MICHAEL R. MATTHEWS / Introductory Comments on Philosophy and Constructivism in Science Education	5-14
DAVID R. GEELAN / Epistemological Anarchy and the Many Forms of Constructivism	15-28
MARK H. BICKHARD / Constructivism and Relativisms: A Shopper's Guide	29-42
RICHARD E. GRANDY / Constructivisms and Objectivity Disentangling Metaphysics from Pedagogy	43-53
ROBERT NOLA / Constructivism in Science and in Science Education: A Philosophical Critique	55-83
D.C. PHILLIPS / Coming to Grips with Radical Social Constructivisms	85-104
PHILIP MATTHEWS / Problems with Piagetian Constructivism	105-119
JON OGBORN / Constructivist Metaphors of Science Learning	121-133
MICHAEL D. HARDY & PETER C. TAYLOR / Von Glaserfeld's Radical Constructivism: A Critical Review	135-150
WALLIS SUCHTING / Reflections on Peter Slezak and the 'Sociology of Scientific Knowledge'	151-195
MICHAEL R. MATTHEWS / A Bibliography for Philosophy and Constructivism in Science Education	197-201
Book Review: Kenneth Tobin, <i>The Practice of Constructivism in Science Education</i> (ROBERT NOLA)	203-214
Book Notes	215-217

News	219-220
Contributors	221-223

Volume 6 No. 3 1997

ROBERT CARSON / Science and the Ideals of Liberal Education	225-238
MICHAEL MARTIN / Is Christian Education Compatible with Science Education?	239-249
ALESSANDRO ALBANESE & MATILDE VICENTINI / Why do we Believe that an Atom is Colourless? Reflections on the Teaching of the Particle Model	251-261
LADISLAV KVASZ / Why Don't They Understand Us?	263-272
TASOS PATRONIS & YANNIS THOMAIDIS / On the Arithmetization of School Geometry in the Setting of Modern Axiomatics	273-290
MANSOOR NIAZ / Can We Integrate Qualitative and Quantitative Research in Science Education?	291-300
JAMES GARRISON / An Alternative to von Glaserfeld's Subjectivism in Science Education: Deweyan Social Constructivism	301-312
Book Notes	313-317
News	319-320
Contributors	321-322

Volume 6 No. 4 1997

THE NATURE OF SCIENCE AND SCIENCE EDUCATION: PART 1
Editor: Michael Matthews

Editorial	323-329
VICENTE MELLADO / Preservice Teachers' Classroom Practice and Their Conceptions of the Nature of Science	331-354
KENNETH TOBIN and CAMPBELL J. McROBBIE / Beliefs about the Nature of Science and the Enacted Science Curriculum	355-371
WOLFF-MICHAEL ROTH / From Everyday Science to Science Education: How Science and Technology Studies Inspired Curriculum Design and Classroom Research	373-396

HEINZ MEYLING / How to Change Students' Conceptions of the Epistemology of Science	397-416
DAVID C. EICHINGER, SANDRA K. ABELL and ZOUBEIDA R. DAGHER / Developing a Graduate Level Science Education Course on the Nature of Science	417-429
Book Review	
Paul Feyerabend, <i>Killing Time</i> (ROBERT NOLA)	431-433
Book Notes	435-437
Contributors	439-440

Volume 6 No. 5 1997

ERICK SMITH, SHAWN HAARER & JERE CONFREY / Seeking Diversity in Mathematics Education: Mathematical Modeling in the Practice of Biologists and Mathematicians	441-472
DOUGLAS ALLCHIN / Rekindling Phlogiston: From Classroom Case Study to Interdisciplinary Relationships	473-509
KEVIN C. DE BERG / The Development of the Concept of Work: A Case where History can Inform Pedagogy	511-527
Book Review	
Paul Gross, Norman Levitt, and Martin Lewis, <i>The Flight from Science and Reason</i> (RON GOOD)	529-532
Book Notes	533-538
Contributors	539-540

Volume 6 No. 6 1997

Erratum	541
GARRISON / An Alternative to Von Glaserfeld's Subjectivism in Science Education: Deweyan Social Constructivism	543-554
SOK KHIM TAN / Moral Values and Teaching Science: The Compassionate Scientist - A Malaysian School Curriculum Project	555-572
ALESSANDRO ALBANESE, MARCOS CESAR DANHONI NEVES & MATILDE VICENTINI / Models in Science and in Science Education: A Critical Review of Research on Students' Ideas about the Earth and Its Place in the Universe	573-590

WILLIAM MCKINNEY / The Educational Use of Computer Based Science Simulations: Some Lessons from the Philosophy of Science	591-603
Booknotes	605-606
Contributors	607-608
Volume Contents	609-612

